

Converting Colors

`RYB(120, 80, 141)`

Have a look what the booklet for
RYB(120, 80, 141) contains.

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Color

R_YB(120, 80, 141)

Conversions

Conversions Part 1

Format	Color
Hex	78508D
RGB	120, 80, 141
RGB Percent	47%, 31%, 55%
CMY	0.5294, 0.6863, 0.4471
CMYK	0.15, 0.43, 0.00, 0.45
HSL	279°, 28%, 43%
HSV	279°, 43%, 55%
XYZ	15.4221, 11.6535, 26.6358
YIQ	98.9140, 4.2590, 27.4510

Conversions

Conversions Part 2

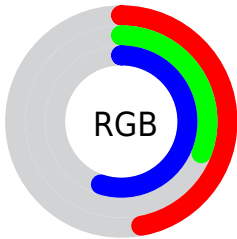
Format	Color
R_{YB}	120, 80, 141
Decimal	7884941
CIE _{Lab}	40.66, 28.49, -27.39
CIE _{LCh}	41, 39.522, 316.123
Yxy	11.6535, 0.2871, 0.2170
Android (android.graphics.Color)	4286075021 (0xFF78508D)
YUV	98.9140, 20.7484, 18.4924
Hunter-Lab	34.1372, 20.9006, -22.3655

Details

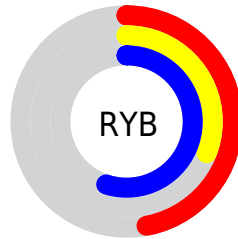
The RYB color **120, 80, 141** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **80, 141, 120**, and the grayscale version is **99, 99, 99**.

A 20% lighter version of the original color is **173, 130, 195**, and **70, 34, 90** is the 20% darker color. If you saturate the color by 10%, you get **115, 66, 141**, and if you desaturate by 10%, it is **125, 94, 141**.

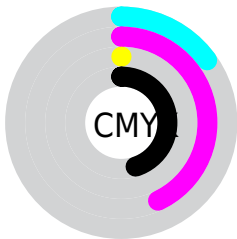
Distribution



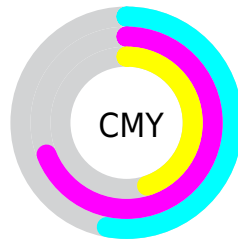
- Red (47%)
- Green (31%)
- Blue (55%)



- Red (47%)
- Yellow (31%)
- Blue (55%)



- Cyan (15%)
- Magenta (43%)
- Yellow (0%)
- Black (45%)



- Cyan (53%)
- Magenta (69%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 80, 141 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 120, 80, 141 by changing the saturation by 10% instead.



120, 80, 141



120, 80, 141

255, 255, 255



94, 56, 115



173, 130, 195



70, 34, 90



201, 156, 223



46, 11, 67



230, 184, 252



28, 0, 44



255, 211, 255



0, 1, 23



255, 240, 255



0, 0, 0



120, 80, 141



120, 80, 141



115, 66, 141



125, 94, 141



110, 52, 141



130, 108, 141

105, 38, 141

135, 122, 141

101, 24, 141

139, 136, 141

96, 9, 141

141, 151, 148

92, 0, 141

141, 165, 157

141, 179, 166

141, 193, 175

141, 207, 184

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70, 88, 158



120, 80, 141



147, 69, 112

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



120, 80, 141



90, 126, 30



0, 56, 113

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



120, 80, 141



80, 141, 120

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 65, 111



120, 80, 141



29, 100, 32

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



120, 80, 141



147, 86, 50



49, 107, 96



0, 62, 142

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



120, 80, 141



155, 67, 90



49, 107, 96



0, 59, 112

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



120, 80, 141



175, 160, 184



80, 96, 141



87, 77, 92



219, 219, 219



92, 92, 92

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



120, 80, 141



151, 88, 184



141, 80, 132



69, 64, 71



89, 0, 135



5, 0, 8

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



141, 80, 101



184, 88, 121



80, 133, 141



71, 64, 67



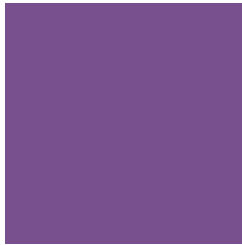
135, 0, 47



8, 0, 3

Previews

White Background



This preview shows how the RYB color 120, 80, 141 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 120, 80, 141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

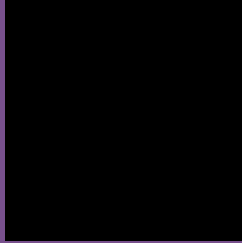
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 120, 80, 141 Background



This preview shows how black text looks on a background with the RYB color 120, 80, 141.

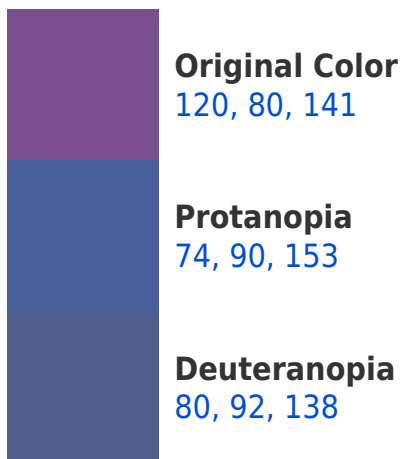


This preview shows how white text looks on a background with the RYB color 120, 80, 141.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
113, 90, 97

Trichromacy



Original Color
120, 80, 141

Protanomaly
91, 89, 149

Deuteranomaly
95, 90, 139

Tritanomaly
116, 86, 113

Monochromacy



Original Color
120, 80, 141

Achromatopsia
99, 99, 99

Achromatomaly
107, 92, 114

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 80, 141 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(120, 80, 141)` looks like.

```
.text, #text, p{  
    color:rgb(120, 80, 141)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(120, 80, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 80, 141) }
```

Border

The CSS property to change the border of an element to RYB 120, 80, 141 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 80, 141) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(120, 80, 141) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(120, 80, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 80, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 80, 141); box-shadow:4px 4px 4px 4px rgb(120, 80, 141) }
```

Background

The CSS property to change the background color of an element to RGB 120, 80, 141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 80, 141) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(120, 80,  
141) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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